

## MICRON SEMICONDUCTOR LIMITED

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23<sup>rd</sup> March 2011

Texas A&M University Cyclotron Institute Rm 242 3366 TAMU College Station Texas, TX 77843-3366 United States of America

United States of America
Attention: Jerry W Deason; Tel: 979-845-1411

INVOICE NO: 13162 VAT No: GB 376 8710-14

## **REF: PURCHASE ORDER NO P003844**

Supply:-

Quantity 2, BB1(DS)-300 SILICON DETECTORS

Type 2M in Custom PCB with Readout

Serial Nos: 2552-15 (297 μm) & 2852-19 (290 μm)

UNIT PRICE: \$5,500

\$11,000

## **TOTAL INVOICE VALUE: \$11,000**

BALANCE OF ORDER: Quantity 2, **BB1(DS)-300** Detectors & NRE (Non-Recurring Engineering)

<u>Detectors sent to</u>: Jerry W Deason <u>Prices</u>: US Dollars, FOB College Station

US Tariff Code: 8541-10-0080 - DIODE: Other NSPF (Not PHOTSN), Rated: 0%

Payment Terms: Net 30 days

Payment: US\$ cheque to above address OR wire transfer to:

Barclays Bank plc, 139-142 North Street, BRIGHTON, BN1 1RU, UK

Sort Code: 20-12-75; Account No: 82949877

IBAN No: GB90 BARC20127582949877; SWIFT BIC: BARCGB22

Warranty: 12 months manufacturing/specification defects attributed to Micron

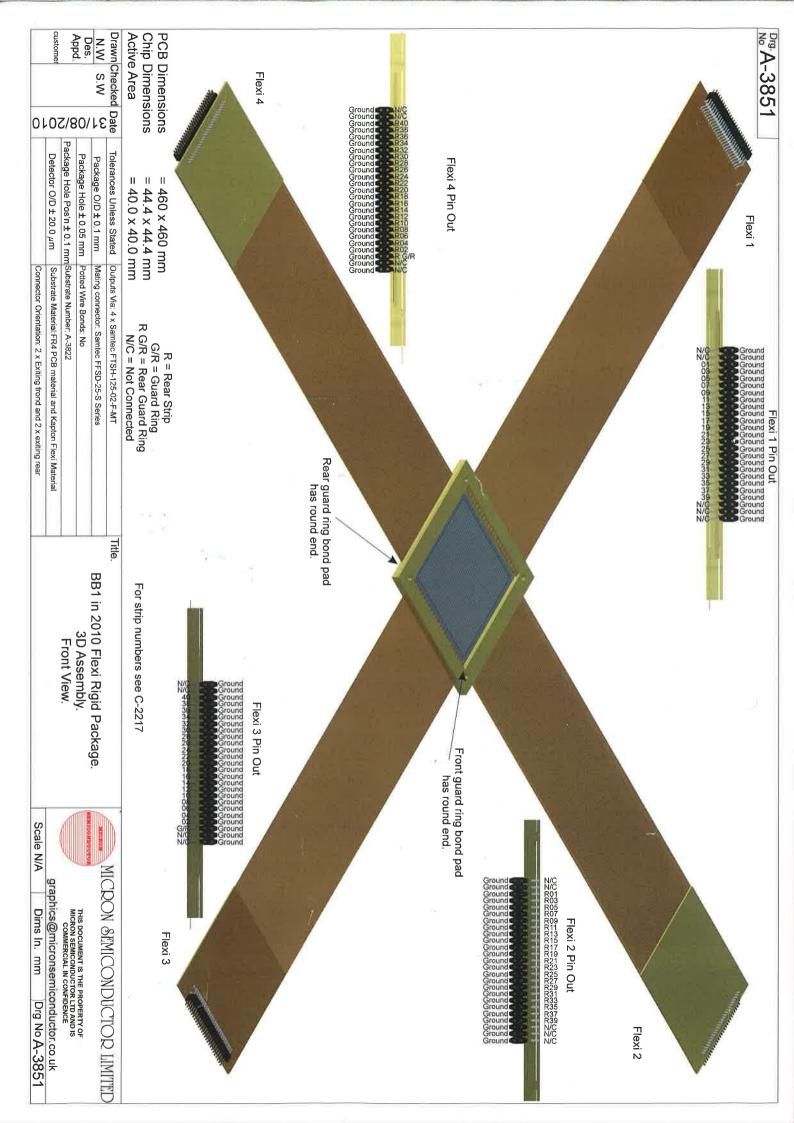
Semiconductor Limited from INVOICE DATE.

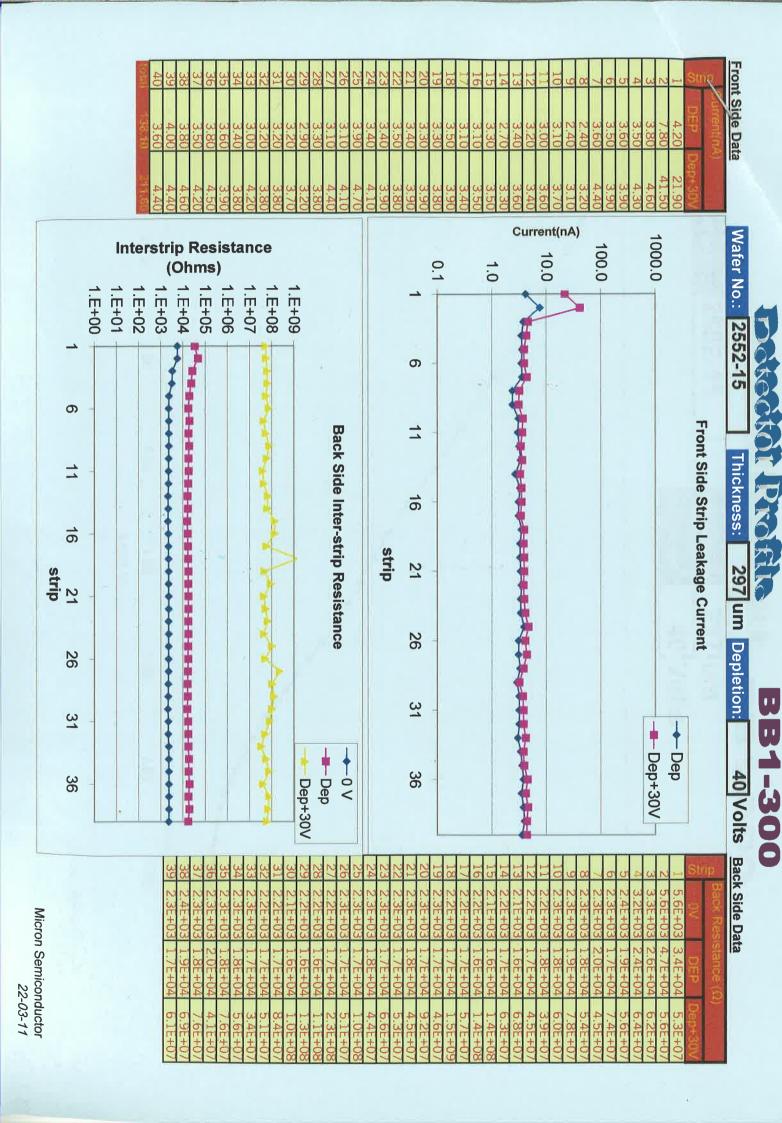
Origin: These detectors were manufactured wholly in the UK (EEC) at Micron

Semiconductor Works, Lancing, England, UK.

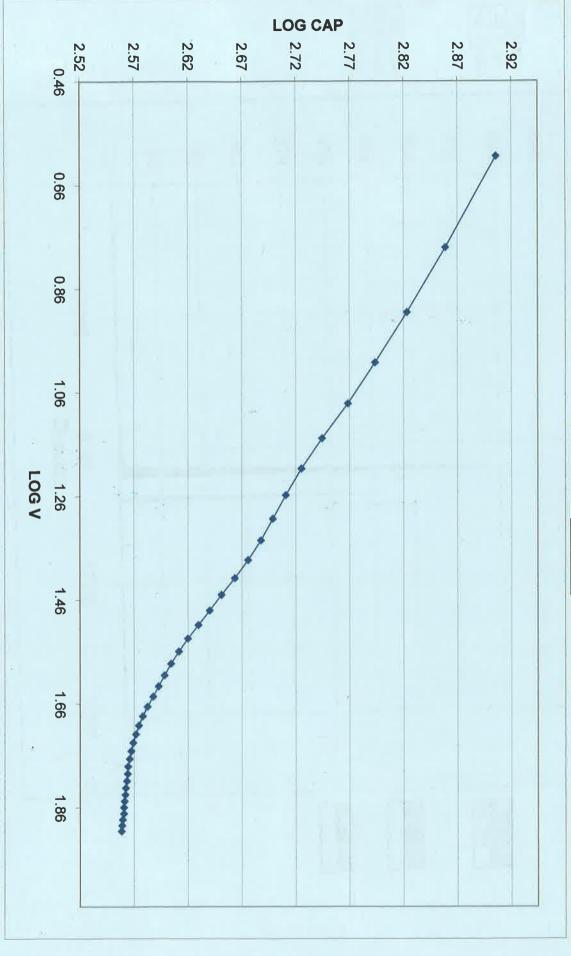
## COLIN D WILBURN, DIRECTOR





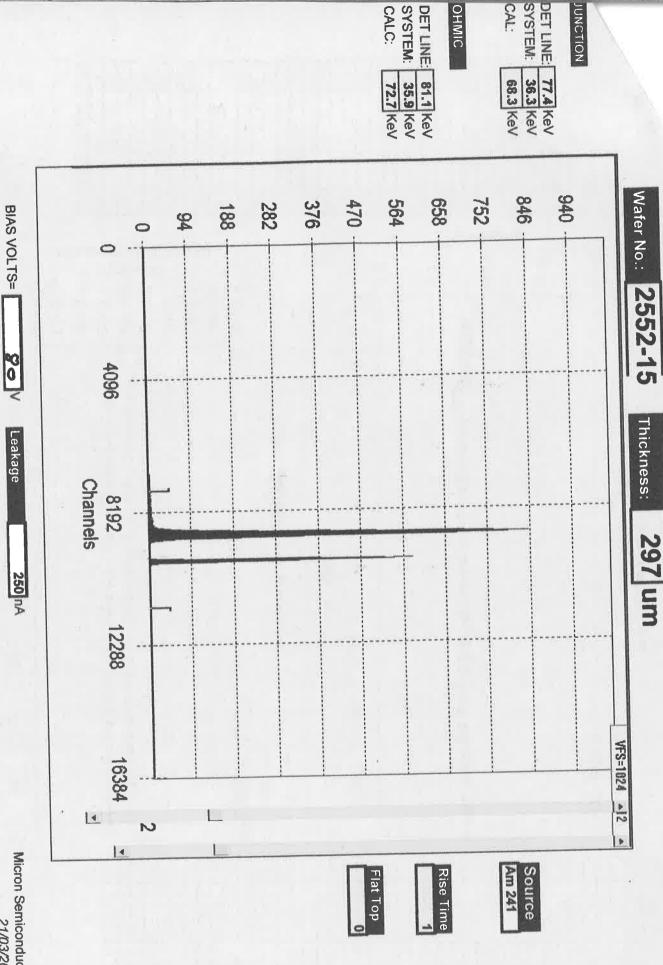


Wafer No.: 2552-15 Depletion: Thickness: 297 um 40 Volts **BB1-300** 



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**DESIGN BB1 AGOR** 



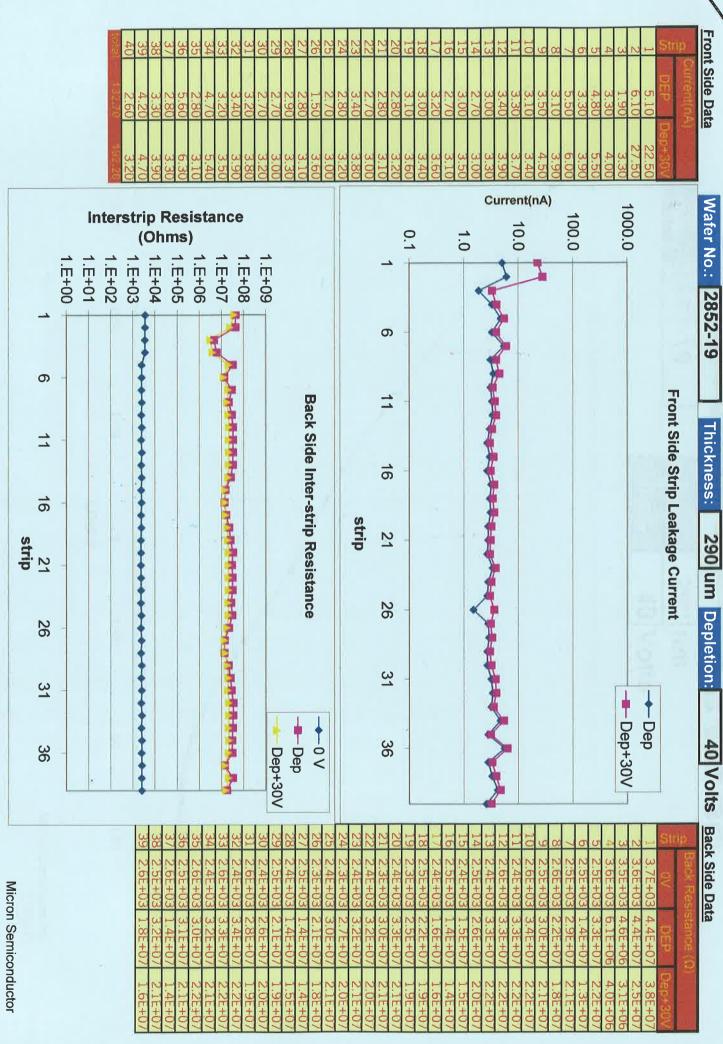
CALC: SYSTEM: OHMIC

CAL

JUNCTION

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BIAS VOLTS=



BB1-300

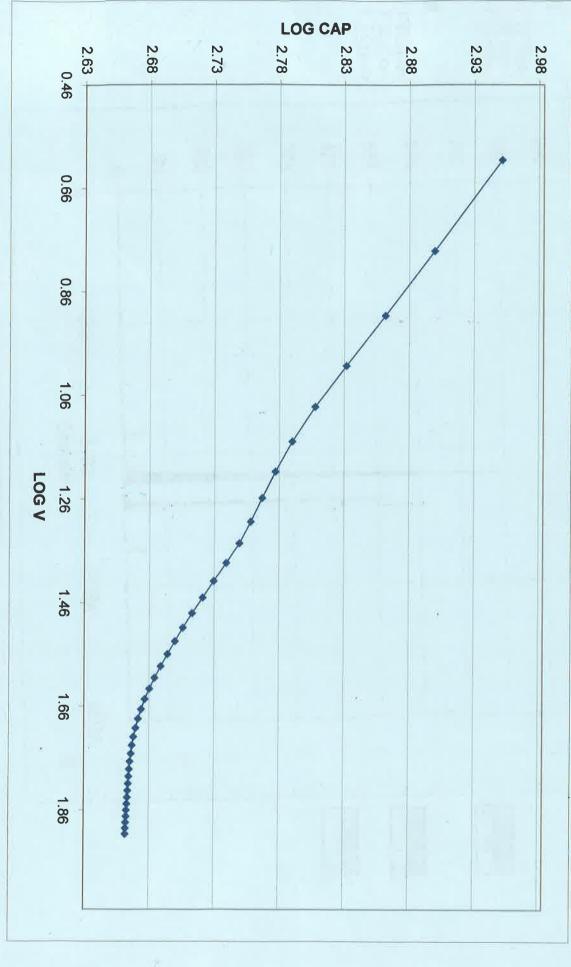
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**BB1-300** 

Wafer No.: 2852-19

Thickness: Depletion:

290 um 40 Volts



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DESIGN BB1 AGOR - 300

DET LINE: **80.4** KeV SYSTEM: **36.1** KeV CALC: **71.8** KeV DET LINE: 76.3 KeV SYSTEM: 35.6 KeV CAL: 67.5 KeV Wafer No.: 2852-19 940 846 658 752 376 470 564 282 188 94 0 4096 Thickness: Channels 8192 290 um 12288 VFS=1024 +12 + 16384 1 N 14 Source Am 241 Rise Time Flat Top

OHMIC

JUNCTION

BIAS VOLTS= V 08

Leakage

210 nA

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